



Las Vegas Fire & Rescue Fire Prevention Division Information Sheet



Effective Date: February 1, 2011

CLV Ordinance #6124

The items listed are basic information only. Codes are subject to change. Additional requirements may apply.

Fire Alarm System Requirements

Visual inspection shall be performed at the intervals indicated in the following table at a minimum.

Component	Monthly	Quarterly	Semiannually	Annually
Monitored Control Equipment				
(a) Fuses				X
(b) Interfaced equipment				X
(c) Lamps and LEDs				X
(d) Primary (main) Power Supply				X
Batteries				
(a) Lead Acid	X			
(b) Nickel-cadmium			X	
(c) Primary (dry cell)	X			
(d) Sealed lead-acid			X	
Fire Alarm Control Unit Trouble Signals			X	
Emergency Voice/Alarm Communications Equipment			X	
Remote Annunciators			X	
Initiating Devices				
(a) Air Sampling			X	
(b) Duct Detectors			X	
(c) Electromechanical releasing devices			X	
(d) Fire extinguishing system(s) or suppression system(s) switches			X	
(e) Fire alarm boxes			X	
(f) Heat detectors			X	
(g) Smoke detectors			X	
(h) Supervisory signal devices		X		
(i) Waterflow devices		X		



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Component	Monthly	Quarterly	Semiannually	Annually
Interface equipment			X	
Alarm Notification Appliances— Supervised			X	
Supervising Station Fire Alarm Systems			X	

If a defect or malfunction is not corrected at the conclusion of system inspection, testing, or maintenance, the system owner or the owner's designated representative shall be informed of the impairment in writing within 24 hours. **NFPA 72 10.2.1.2.2**

The property or building owner or the owner's designated representative shall be responsible for inspection, testing, and maintenance of the system and for alterations or additions to the system. **NFPA 72 10.2.2.1**

Before proceeding with any testing, all persons and facilities receiving alarm, supervisory, or trouble signals and all building occupants shall be notified of the testing to prevent unnecessary response. **NFPA 72 10.2.3.1**

At the conclusion of testing, those previously notified (and others as necessary) shall be notified that testing has been concluded. **NFPA 71 10.2.3.2**

When an initiating device, notification appliance, or control relay is added, it shall be functionally tested.

Testing shall be performed at the intervals indicated in the following table at a minimum.

Component	Monthly	Quarterly	Semiannually	Annually
Monitored Control Equipment				
(a) Functions				X
(b) Fuses				X
(c) Interfaced equipment				X
(d) Lamps and LEDs				X
(e) Primary (main) Power Supply				X
Engine Driven Generator	X			



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Component	Monthly	Quarterly	Semiannually	Annually
Batteries				
(a) Lead Acid				
(1) Charger Test (Replace Battery as needed.)				X
(2) Discharge test (30 minutes)			X	
(3) Load Voltage test			X	
(4) Specific Gravity			X	
(b) Nickel-cadmium				
(1) Charger Test (Replace Battery as needed.)				X
(2) Discharge test (30 minutes)				X
(3) Load Voltage test			X	
(c) Primary (dry cell)				
(1) Age Test	X			
(d) Sealed lead-acid			X	
(1) Charger Test (Replace battery within 5 years after manufacture or more frequently as needed.)				X
(2) Discharge test (30 minutes)				X
(3) Load Voltage test			X	
Fire Alarm Control Unit Trouble Signals				X
Emergency Voice/Alarm Communications Equipment				X
Remote Annunciators				X
Initiating Devices				
(a) Duct Detectors				X
(b) Electromechanical releasing devices				X
(c) Fire extinguishing system(s) or suppression system(s) switches				X
(d) Heat Detectors				X
(e) Fire alarm boxes			X	
(f) Smoke detectors—Functional Test				X
(g) Supervisory signal devices (except valve tamper switches)				X
(h) Waterflow devices			X	



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Component	Monthly	Quarterly	Semiannually	Annually
(i) Valve supervisory switches			X	
Interface equipment				X
Alarm Notification Appliances				
(a) Audible devices				X
(b) Audible textual notification appliances				X
(c) Visible devices				X
Supervising Station Fire Alarm Systems	X			

A set of reproducible as-built installation drawings, operation and maintenance manuals, and a written sequence of operation shall be provided to the building owner or the owner's designated representative. **NFPA 72 10.6.1**

The owner shall be responsible for maintaining these records for the life of the system for examination by any authority having jurisdiction. Paper or electronic media shall be permitted. **NFPA 72 10.6.1.3**

Testing records shall be retained until the next test and for 1 year thereafter **NFPA 72 10.6.2.1**

Las Vegas Fire & Rescue
Fire Prevention Division
(702)229-0366
www.lasvegasnevada.gov/LawsCodes/fire_code.asp